

DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATIONS

(X) Original

() Supplemental

() Substitute

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled **Gene Encoding a Protein Involved in the Signal Transduction Cascade Leading to Systemic Acquired Resistance in Plants**

the specification of which

- ☐ is attached hereto.
- ☒ was filed on June 20, 1997 as Application No. 08/880,179 and, if these brackets contain an X [], was amended on
- ☐ was filed as Patent Cooperation Treaty international Application No. PCT/ on , 199 , if these brackets contain an X [], entered the national stage in the United States and was accorded Application No. and, if these brackets contain an X [], was amended, subsequent to entry into the national stage on , 199

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment (s) referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by an amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge the duty to disclose all information which is known by me to be material to the patentability of this application as defined in 37 C.F.R. §1.56.

I hereby claim the benefit under 35 U.S.C. §119 (a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate listed below and under 35 U.S.C. §365(a) of any Patent

10079035-021902

Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent or inventor's certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

Country (or PCT)	Application No.	Filing Date (Month/Day/Year)	Priority Claimed	
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

<u>Application No.</u>	<u>Filing Date</u>
60/020,272	June 21, 1996
60/024,883	August 30, 1996
60/033,177	December 13, 1996
60/034,379	December 27, 1996
60/034,730	January 10, 1997
60/035,022	January 10, 1997

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and under 35 U.S.C. §365(c) of any Patent Cooperation Treaty international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in said prior application(s) in the manner required by the first paragraph of 35 U.S.C. §112, I acknowledge my duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date(s) of the prior application(s) and the national or Patent Cooperation Treaty international filing date of this application:

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<u>United States</u> <u>Application No.</u>	<u>United States</u> <u>Filing Date</u>	<u>STATUS (Pending,</u> <u>Abandoned or</u> <u>U.S. Patent No.)</u>	<u>International</u> <u>Application No.</u> <u>and Filing Date</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

I hereby appoint the registered practitioners associated with Customer No. 001095 (currently)

Michael W. Glynn (Reg. No. 27,285)

Melvyn M. Kassenoff (Reg. No. 26,389)

Joseph J. Borovian (Reg. No. 26,631)

Diane E. Furman (Reg. No. 31,104)

Geoffrey Karny (Reg. No. 31,382)

Marla J. Mathias (Reg. No. 32,663)

Thomas Hoxie (Reg. No. 32,993)

William A. Teoli, Jr. (Reg. No. 33,104)

Henry P. Nowak (Reg. No. 33,200)

George R. Dohmann (Reg. No. 33,593)

Kenneth R. Moseley (Reg. No. 33,973)

Larry W. Stults (Reg. No. 34,025)

Michael P. Morris (Reg. No. 34,513)

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Michael U. Lee (Reg. No. 35,240)

Carol A. Loeschorn (Reg. No. 35,590)

Gregory D. Ferraro (Reg. No. 36,134)

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20061201 15:06:20

Please address all telephone calls to J. Timothy Meigs (919) 541-8587. Please address all correspondence to Michael W. Glynn, Patent & Trademark Department, Novartis Corporation, 59 Rte 10, East Hanover, New Jersey 07936-1080.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

Full name of sole or first inventor John Andrew Ryals

Inventor's signature

John Andrew Ryals

Date

28 August 1998

Residence

303 Brittany Place
Cary, North Carolina 27511

Citizenship

United States

Post Office Address

Same as Above

Full name of second or joint inventor, if any Terrence Patrick Delaney

Inventor's signature

Date

Residence

18 Bean Hill Lane
Ithaca, New York 14850

Citizenship

United States

Post Office Address

Same as Above

Full name of third joint inventor, if any Leslie Bethards Friedrich

Inventor's signature Leslie Bethards Friedrich Date 28 August 1997

Residence 4208 Wyckford Place
Apex, North Carolina 27502

Citizenship United States

Post Office Address Same as Above

Full name of fourth joint inventor, if any Kristianna Baldwin Weymann

Inventor's signature _____ Date _____

Residence 7033 SE 34th Street
Portland, Oregon 97202

Citizenship United States

Post Office Address Same as Above

Full name of fifth or joint inventor, if any Kay Ann Lawton

Inventor's signature Kay Ann Lawton Date 28 August 1997

Residence 8016 Crooked Chute Court
Raleigh, North Carolina 27612

Citizenship United States

Post Office Address Same as Above

10079035-021902

Full name of sixth joint inventor, if any Daniel Murray Ellis

Inventor's signature *Daniel Murray Ellis* Date 8/29/97

Residence 201 Medcon Court
Cary, North Carolina 27511

Citizenship United States

Post Office Address Same as Above

Full name of seventh joint inventor, if any Scott Joseph Uknes

Inventor's signature *Scott Uknes* Date 8-28-97

Residence 1003 Pinedale Drive
Apex, North Carolina 27502

Citizenship United States

Post Office Address Same as Above

Full name of eighth joint inventor, if any Taco Peter Jesse

Inventor's signature _____ Date _____

Residence Johan Fabriciuskade 10
6708 SG, The Netherlands

Citizenship

Post Office Address Same as Above

20079035-021902

Full name of ninth joint inventor, if any Pieter Vos

Inventor's signature _____ Date _____

Residence Dorpstraat 22
3927 BD Renswoude, The Netherlands

Citizenship Netherlands

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2006T20" 5E06Z00T

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20079035-021900

<u>United States Application No.</u>	<u>United States Filing Date</u>	<u>STATUS (Pending, Abandoned or U.S. Patent No.)</u>	<u>International Application No. and Filing Date</u>
_____	_____	_____	_____
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Inventor's signature _____ Date _____

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Citizenship United States

Post Office Address Same as Above

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Inventor's signature Terrence Patrick Delaney Date Sept. 3, 1997

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Ithaca, New York 14850

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2006 FEB 20 5 50 PM '00

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Inventor's signature _____ Date _____

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Citizenship

Post Office Address Same as Above

2007903E-024902

Full name of ninth joint inventor, if any. Pieter Vos

Inventor's signature _____ Date _____

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20070903 10:21:02

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Full name of sole John Andrew Ryals
or first inventor

Inventor's signature _____ Date _____

Residence 303 Brittany Place
Cary, North Carolina 27511

Citizenship United States

Post Office Address Same as Above

Full name of second Terrence Patrick Delaney
or joint inventor, if any

Inventor's signature _____ Date _____

Residence 18 Bean Hill Lane
Ithaca, New York 14850

Citizenship United States

Post Office Address Same as Above

10079035 021902

Full name of third joint inventor, if any Leslie Bethards Friedrich

Inventor's signature _____ Date _____

Residence 4208 Wyckford Place
Apex, North Carolina 27502

Citizenship United States

Post Office Address Same as Above

Full name of fourth joint inventor, if any Kristianna Baldwin Weymann

Inventor's signature Kristianna Baldwin Weymann Date 3 Sept 97

Residence 7033 SE 34th Street
Portland, Oregon 97202

Citizenship United States

Post Office Address Same as Above

Full name of fifth or joint inventor, if any Kay Ann Lawton

Inventor's signature _____ Date _____

Residence 8016 Crooked Chute Court
Raleigh, North Carolina 27612

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Full name of sixth joint inventor, if any Daniel Murray Ellis

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Residence 201 Medcon Court
Cary, North Carolina 27511

Citizenship United States

Post Office Address Same as Above

Full name of seventh joint inventor, if any Scott Joseph Uknes

Inventor's signature _____ Date _____

Residence 1003 Pinedale Drive
Apex, North Carolina 27502

Citizenship United States

Post Office Address Same as Above

Full name of eighth joint inventor, if any Taco Peter Jesse

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Residence Johan Fabriciuskade 10
6708 SG, The Netherlands

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2006T20" 55062007

Full name of ninth joint inventor, if any Pieter Vos

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3927 BD Renswoude, The Netherlands

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60/034,730	January 10, 1997
60/035,022	January 10, 1997

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and under 35 U.S.C. §365(c) of any Patent Cooperation Treaty international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in said prior application(s) in the manner required by the first paragraph of 35 U.S.C. §112, I acknowledge my duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date(s) of the prior application(s) and the national or Patent Cooperation Treaty international filing date of this application:

20070220 15:06:20

<u>United States</u> <u>Application No.</u>	<u>United States</u> <u>Filing Date</u>	<u>STATUS (Pending,</u> <u>Abandoned or</u> <u>U.S. Patent No.)</u>	<u>International</u> <u>Application No.</u> <u>and Filing Date</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

I hereby appoint the registered practitioners associated with Customer No. 001095 (currently)

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William A. Teoli, Jr. (Reg. No. 33,104)

Henry P. Nowak (Reg. No. 33,200)

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Gabriel Lopez (Reg. No. 28,440)

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Lynn Marcus-Wyner (Reg. No. 34,869)

respectively and individually, as my attorneys and agents, with full power of substitution, and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If these brackets contain an X [X], I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from the Patents and Trademarks Division of Novartis Services AG., Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please address all telephone calls to J. Timothy Meigs (919) 541-8587. Please address all correspondence to Michael W. Glynn, Patent & Trademark Department, Novartis Corporation, 59 Rte 10, East Hanover, New Jersey 07936-1080.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

Full name of sole or first inventor John Andrew Ryals

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10079035-001900

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2007-09-05 10:05:00

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20070903-021902

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2006T20" 5E06/00T

DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATIONS

(X) Original () Supplemental () Substitute

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled **Gene Encoding a Protein Involved in the Signal Transduction Cascade Leading to Systemic Acquired Resistance in Plants** the specification of which

- ☐ is attached hereto.
- ☒ was filed on June 20, 1997 as Application No. 08/880,179 and, if these brackets contain an X [], was amended on
- ☐ was filed as Patent Cooperation Treaty international Application No. PCT/ on , 199 , if these brackets contain an X [], entered the national stage in the United States and was accorded Application No. and, if these brackets contain an X [], was amended, subsequent to entry into the national stage on , 199

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment (s) referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by an amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge the duty to disclose all information which is known by me to be material to the patentability of this application as defined in 37 C.F.R. §1.56.

I hereby claim the benefit under 35 U.S.C. §119 (a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate listed below and under 35 U.S.C. §365(a) of any Patent

2006T20" 5506200T

Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent or inventor's certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

Country (or PCT)	Application No.	Filing Date (Month/Day/Year)	Priority Claimed	
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

<u>Application No.</u>	<u>Filing Date</u>
60/020,272	June 21, 1996
60/024,883	August 30, 1996
60/033,177	December 13, 1996
60/034,379	December 27, 1996
60/034,730	January 10, 1997
60/035,022	January 10, 1997

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and under 35 U.S.C. §365(c) of any Patent Cooperation Treaty international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in said prior application(s) in the manner required by the first paragraph of 35 U.S.C. §112, I acknowledge my duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date(s) of the prior application(s) and the national or Patent Cooperation Treaty international filing date of this application:

20070303 10079036

<u>United States</u> <u>Application No.</u>	<u>United States</u> <u>Filing Date</u>	<u>STATUS (Pending,</u> <u>Abandoned or</u> <u>U.S. Patent No.)</u>	<u>International</u> <u>Application No.</u> <u>and Filing Date</u>
_____	_____	_____	_____
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20090920 09:00:00

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20061220 15:05:20

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20061201 5806/2001

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20070303-021002

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2006T20" 53E06/00T